

RECEIVED

By Alameda County Environmental Health at 3:56 pm, Oct 21, 2013

October 18, 2013

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

**Subject: Perjury Statement and Report Transmittal
Well Decommissioning Report**

245 8th Street
Oakland, California 94607
AEI Project No. 116907
ACEH RO#0000202

Dear Mr. Wickham:

I declare under penalty of perjury, that the information contained in the attached report for the above-referenced site are true and correct to the best of my knowledge.

If you have any questions or need additional information, please do not hesitate to call me at (510) 832-9014, or Mr. Robert F. Flory at AEI Consultants, (925) 746-6022.

Sincerely,



Victor Lum
Owner
Vic's Automotive

RF/vl

Attachment

cc: Mr. Robert Flory, AEI Consultants, 2500 Camino Diablo, Walnut Creek, CA 94597



AEI Consultants

Environmental & Engineering Services

October 18, 2013

WELL DECOMMISSIONING REPORT

Property Identification:

Vic's Auto
245 8th Street
Oakland, CA 94607

AEI Project No. 116907
ACEH RO#0000202
RWQCB #01-1244

Prepared for:

Mr. Vic Lum
Vic's Automotive
245 8th Street
Oakland, CA 94607

Prepared by:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
(925) 746-6000

San Francisco HQ

Atlanta

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Costa Mesa

Dallas

Denver

Los Angeles

Miami

New York

Phoenix

Portland

San Jose

National Presence

Regional Focus

Local Solutions

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1.0 INTRODUCTION

AEI Consultants (AEI) has prepared this report on behalf of Mr. Victor Lum, owner and operator of Vic's Auto automotive repair and former fuel service station located at 245 8th Street in the City of Oakland, Alameda County, California (Figure 1: Site Location Map). AEI has been retained by Mr. Lum to provide environmental engineering and consulting services related to the release of gasoline fuel hydrocarbons from the former underground storage tank (UST) and dispensing system on the property.

This report documents the destruction of the sixteen (16) groundwater monitoring wells (MW-1 through MW-16), seven (7) soil vapor points (GP-1, GP-2, and GP-5 through GP-9), and four (4) air sparge wells (AS-1 through AS-4) at the above-referenced site. The well destruction was performed as part of site closure at the request of the Alameda County Environmental Health Services (ACEHS) in a letter dated April 30, 2013.

2.0 SITE DESCRIPTION AND HISTORY

The subject property (hereafter referred to as the "site" or "property") is located in a mixed commercial and residential area of Oakland. The site is a lot on the south corner of Alice Street and 8th Street, and is currently developed with an automotive repair facility (Figure 2).

A release was discovered in the mid-1990s during the removal of seven USTs from the property. Since 1995, the site multiple investigations have been performed to characterize of soil, groundwater, and soil gas impact to the site. Following pilot testing in 2005, a High Vacuum Dual Phase Extraction (HVDPE) was installed in 2006 and 2007 to extract hydrocarbons from both on and off site wells; the system began operation in June 2007. Additional offsite characterization was performed with the installation of additional monitoring wells in March 2008 (MW-8, MW-9 and MW-13) and in July 2009 (MW-14, MW-15, and MW-16). Four (4) air sparging wells were added to the HVDPE system in 2010.

Four (4) soil gas monitoring points (GP-1 to GP-4) were installed in 2006 with sampling points at depths of 5 and 10 feet below ground surface (bgs). GP-3 and GP-4 (offsite) were decommissioned in 2008 to allow the owner of that property to develop a building. Five (5) soil gas monitoring points (GP-5 to GP-9) were installed in 2012 with sampling points at a depth of 5 feet bgs.

3.0 SCOPE OF WORK

3.1 Pre-field Activities

AEI obtained well destruction permits for all site related wells from the Alameda County Public Works Agency (ACPWA). Permit numbers W2013-0433 through W2013-0438 were issued for destruction of wells MW-13 through MW-16 and wells MW-8 and MW-9 located off site in 7th and Alice Streets. Permit numbers W2013-0439 to W2013-0448 were issued for destruction of onsite monitoring Wells MW-1 through MW-7 and MW-10 through MW-12. Permit number W2013-0449 was issued for destruction of onsite soil vapor points GP-1, GP-2, and GP-5 through GP-9. Permit number W2013-0450 was issued for destruction of onsite air sparge wells AS-1 through AS-4. Copies of the permits are attached as Appendix A.

The work areas were marked and Underground Service Alert North (USA North) was notified of the proposed work more than 48 hours prior to the initiation of the work to allow public utilities to mark underground utilities in the work area.

A Health and Safety Plan (HASP) was prepared and prior to initiation of field activities Tailgate Safety meetings were held on each day of fieldwork by AEI staff and all subcontractors.

3.2 Well Destruction

Onsite wells MW-1 through MW-6, MW-10 through 12, and AS-1 through AS-4 were pressure grouted on June 27, 2013. Each well was filled with cement grout using a tremie line. Each well was then pressurized using the grout pump to 25 pounds per square inch (PSI) for 15 minutes. Each well was topped off with grout and the well box cover replaced pending well box removal.

The soil vapor points were destroyed by hand auguring to a depth of 5 feet bgs. The tubing to the deeper vapor points was removed and the borings sealed with neat cement grout to a depth of approximately 0.5 feet bgs. The balance of the boring was filled with concrete to match the adjacent grade. On June 28, 2013, the well boxes of each onsite well were removed and the filled with concrete to match the adjacent grade.

On August 21, 2013, monitoring wells MW-7, MW-8, and MW-13 through MW-16 were pressure grouted as described above. On August 22, 2013 the well boxes were removed and the street was patched using hot asphalt mix or concrete to match the adjacent pavement.

All well destruction activities were performed under the supervision of a California Professional Geologist and Steve Miller with the ACPWA

During grouting activities, any water brought to the surface was collected using a vacuum mounted on an open top 55 gallon drum. The grout contaminated water was recycled during mixing grout for sealing of other of other wells.

3.3 Decontamination and Waste Disposal

3.3.1 Piping Removal and Sealing

At the same time of well destruction activities, extraction and sparge lines under the site were filled with neat cement grout. All above piping was removed and disposed as non-hazardous waste.

3.3.2 Concrete Waste

All waste generated in was drummed and stored on site pending disposal.

4.0 STATE MANDATED REPORTING

A California DWR 188 form has been prepared for the destruction of each well. The original copies have been filed with the California DWR with copies filed with the ACPWA.

This report completes the required actions for case closure.

5.0 REPORT LIMITATIONS AND SIGNATURES

AEI has prepared this report on behalf of Vic's Auto located at 245 8th Street, Oakland, California. All specified work has been performed in accordance with generally accepted practices in environmental engineering that existed at the time and location of the work and performed under the direction of appropriate California registered professionals.

Should you have any questions or comments, or need any additional information, please contact either of the undersigned at (925) 746-6000.

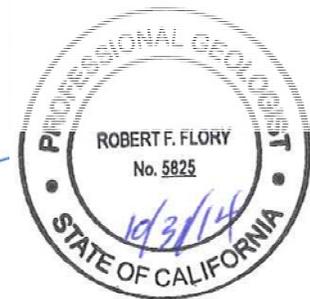
Sincerely,
AEI Consultants



Jeremy Smith
Senior Project Manager



Robert F. Flory, PG
Senior Geologist



Distribution:

Victor Lum 2 copies
14944 Portofino Circle
San Leandro, CA 94578

Mr. Jerry Wickham electronic
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

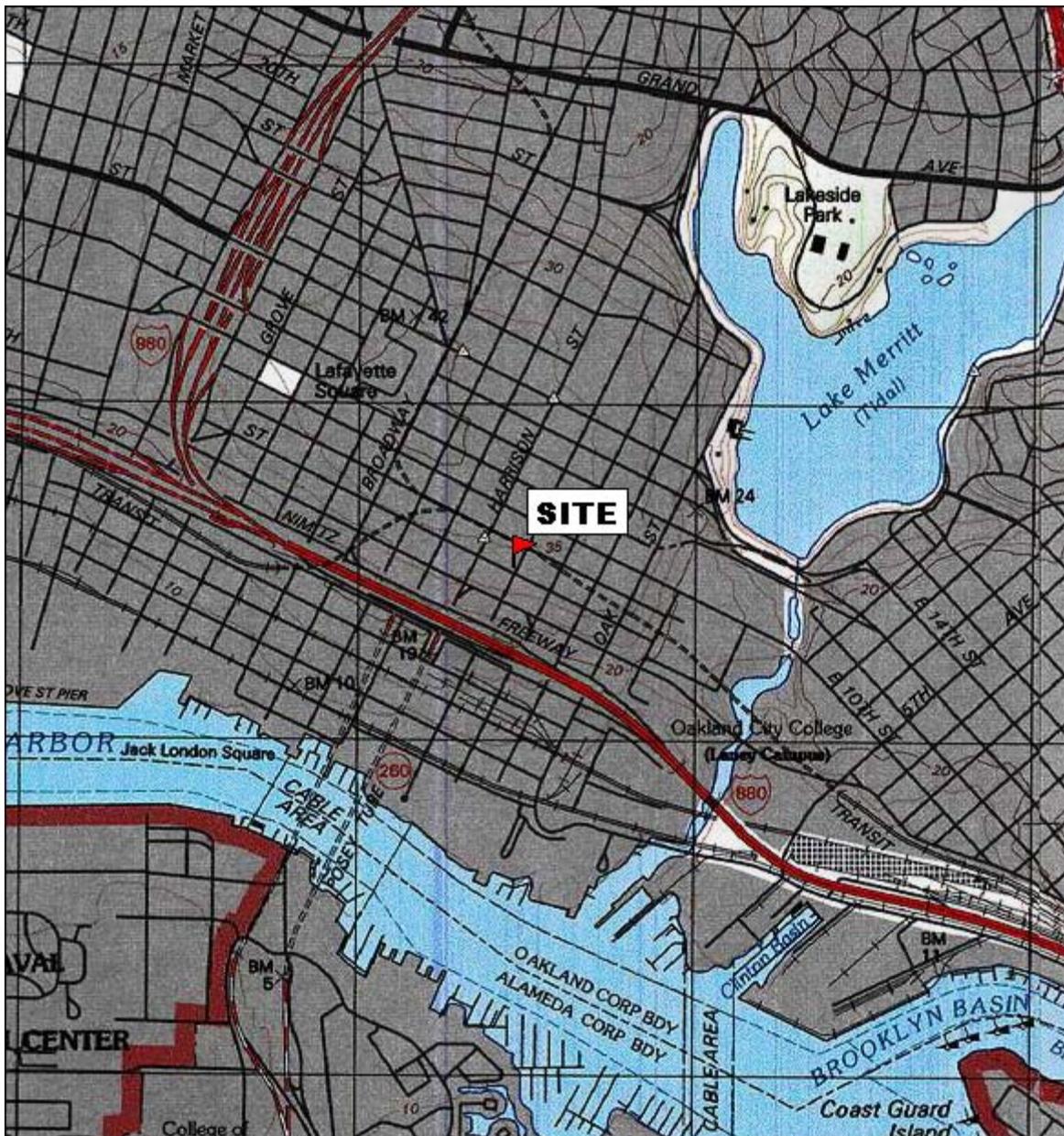
GeoTracker electronic

A handwritten signature in blue ink, appearing to read "Jerry Wickham". The signature is written in a cursive style with a large initial "J" and "W".

Distribution:

Victor Lum 14944 Portofino Circle San Leandro, CA 94578	2 copies
Mr. Jerry Wickham Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502	electronic
GeoTracker	electronic

FIGURES



TN \star MN
15 $\frac{1}{4}$ $^{\circ}$



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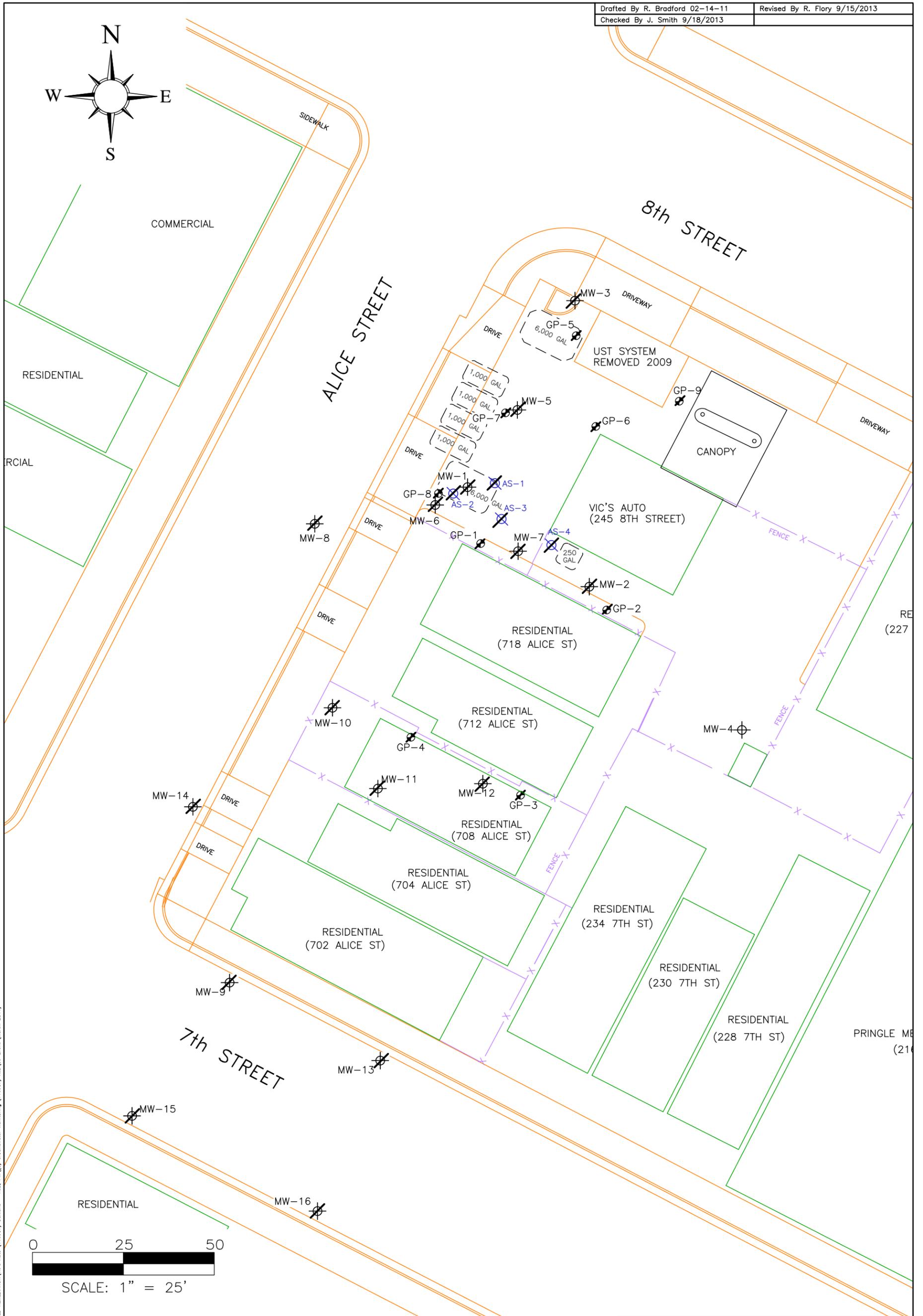
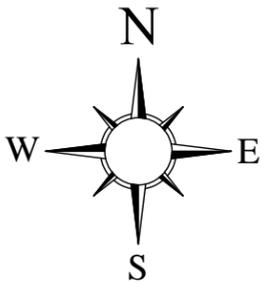
AEI CONSULTANTS

2500 CAMINO DIABLO BLVD, SUITE 200, WALNUT CREEK, CA

SITE LOCATION MAP

245 8th STREET
OAKLAND, CALIFORNIA

FIGURE 1
PROJECT No. 116907



X:\PROJECTS\CHARACTERIZATION & REMEDIATION\ADVANCED REMEDIATION\Vic's Auto (116907) Oakland - RJB, PM\G) Groundwater Monitoring (116907) RJB\39 Event (March 2011)

LEGEND

- MONITORING WELL
- SOIL GAS PROBE
- AIR SPARGE WELL (2010)

FORMER UST LOCATION

AEI CONSULTANTS
 2500 CAMINO DIABLO, WALNUT CREEK, CALIFORNIA

SITE PLAN

245 8TH STREET
 OAKLAND, CALIFORNIA

FIGURE 2
 PROJECT NO. 116907

TABLES

TABLE 1: WELL DESTRUCTION DETAILS
Vic's Auto, 245 8th Street, Oakland, California

Well ID	Installation Date	Destruction Date	Nominal Diameter (inch)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Design / Use	Destruction Method
MW-1	07/14/95	06/27/13	4	28	8 - 28	6 - 28	Monitoring / DPE Well	Pressure Grout
MW-2	07/14/95	06/27/13	2	28	8 - 28	6 - 28	Monitoring / DPE Well	Pressure Grout
MW-3	05/25/01	06/27/13	2	25	10 - 25	8 - 25	Monitoring Well	Pressure Grout
MW-4	05/25/01	06/27/13	2	25	10 - 25	8 - 25	Monitoring Well	Pressure Grout
MW-5	01/11/05	06/27/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-6	01/19/05	06/27/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-7	01/11/05	08/21/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-8	03/18/08	08/21/13	4	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
MW-9	03/18/08	08/21/13	2	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
MW-10	01/20/05	06/27/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-11	01/20/05	06/27/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-12	01/20/05	06/27/13	4	22	12 - 22	11 - 22	Monitoring / DPE Well	Pressure Grout
MW-13	03/18/08	06/27/13	2	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
MW-14	07/28/09	08/21/13	2	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
MW-15	07/28/09	08/21/13	2	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
MW-16	07/28/09	08/21/13	2	22	12 - 22	11 - 22	Monitoring Well	Pressure Grout
GP-1	07/13/06	06/27/13	0.25	08/21/13	5 & 10	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-2	07/13/06	06/27/13	0.25	10	5 & 10	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-3*	07/13/06	Aug-08	0.25	10	5 & 10	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-4*	07/13/06	Aug-08	0.25	10	5 & 10	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-5	10/16/12	06/27/13	0.25	5.5	4.75 - 5.25	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-6	10/16/12	06/27/13	0.25	5.5	4.75 - 5.25	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-7	10/16/12	06/27/13	0.25	5.5	4.75 - 5.25	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-8	10/16/12	06/27/13	0.25	5.5	4.75 - 5.25	-	Soil Gas Probe	Hand auger to 5.5', grout boring
GP-9	10/16/12	06/27/13	0.25	5.5	4.75 - 5.25	-	Soil Gas Probe	Hand auger to 5.5', grout boring
AS-1	06/30/10	06/27/13	2	30	28 - 30	27 - 30	Air Sparge Well	Pressure Grout
AS-2	06/30/10	06/27/13	2	30	28 - 30	27 - 30	Air Sparge Well	Pressure Grout
AS-3	06/30/10	06/27/13	2	30	28 - 30	27 - 30	Air Sparge Well	Pressure Grout
AS-4	06/30/10	06/27/13	2	30	28 - 30	27 - 30	Air Sparge Well	Pressure Grout

NOTES:

MW = monitoring well
GP = soil gas probe
AS = air sparge well

ft bgs = feet below ground surface

* = In August 2008, soil gas probes GP-1 and GP-2 were decommissioned.

Project No. 116907

APPENDIX A
WELL DESTRUCTION PERMITS

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/11/2013 By jamesy

Permit Numbers: W2013-0433 to W2013-0438
Permits Valid from 06/19/2013 to 06/19/2013

Application Id: 1370470200836
Site Location: 245 8th St. Oakland, CA

City of Project Site:Oakland

Project Start Date: 06/19/2013
Assigned Inspector: Wells in Alice and 7th Street
Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Completion Date:06/19/2013

Applicant: AEI Consultants - Robert Flory
2500 Camino Diablo, Walnut Creek, CA 94597

Phone: 925-746-6000 x1122

Property Owner: Vic Lum
245 8th Street, Oakland, CA 94607

Phone: --

Client: ** same as Property Owner **
Contact: Robert Flory

Phone: 925-746-6000 x1122
Cell: 925-457-7517

Receipt Number: WR2013-0208	Total Due: \$2382.00	
Payer Name : Robert F. Flory	Total Amount Paid: \$2382.00	
	PAID IN FULL	

Works Requesting Permits:

Well Destruction-Monitoring - 6 Wells
Driller: H E W Drilling - Lic #: 604987 - Method: press

Work Total: \$2382.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0433	06/11/2013	09/17/2013	MW-13	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2008-0127	e072910
W2013-0434	06/11/2013	09/17/2013	MW-14	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2009-0648	e0098293
W2013-0435	06/11/2013	09/17/2013	MW-15	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2009-0649	e0098296
W2013-0436	06/11/2013	09/17/2013	MW-16	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2009-0650	e0098298
W2013-0437	06/11/2013	09/17/2013	MW-8	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2008-0128	e072964
W2013-0438	06/11/2013	09/17/2013	MW-9	8.00 in.	2.00 in.	9.00 ft	22.00 ft	1S/4W35K	W2008-0129	e072965

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Alameda County Public Works Agency - Water Resources Well Permit

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/12/2013 By jamesy

Permit Numbers: W2013-0439 to W2013-0448
Permits Valid from 06/19/2013 to 06/19/2013

Application Id: 1370471996271
Site Location: 245 8th Street

City of Project Site:Oakland

Project Start Date: 06/19/2013

Completion Date:06/19/2013

Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: AEI Consultants - Robert Flory
2500 Camino Dloblo, Walnut Creek, CA 94597

Phone: 925-746-6000 x1122

Property Owner: Vic Lum
245 8th Street, Oakland, CA 94607

Phone: --

Client: ** same as Property Owner **
Contact: Robert Flory

Phone: 925-746-6000 x1122
Cell: 925-457-7517

Receipt Number: WR2013-0209	Total Due: \$3970.00	
Payer Name : Robert F. Flory	Total Amount Paid: \$3970.00	
	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 10 Wells
Driller: H E W Drilling - Lic #: 604989 - Method: press

Work Total: \$3970.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0439	06/12/2013	09/17/2013	MW-1	10.00 in.	4.00 in.	5.00 ft	28.00 ft	1S/4W35K2	95462	No Records
W2013-0440	06/12/2013	09/17/2013	MW-10	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0020	No Records
W2013-0441	06/12/2013	09/17/2013	MW-11	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0021	No Records
W2013-0442	06/12/2013	09/17/2013	MW-12	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0022	No Records
W2013-0443	06/12/2013	09/17/2013	MW-2	8.00 in.	2.00 in.	5.00 ft	28.00 ft	1S/4W35K2	95462	No Records
W2013-0444	06/12/2013	09/17/2013	MW-3	8.00 in.	2.00 in.	7.00 ft	25.00 ft	1S/4W35K	W01-0269	No Records
W2013-0445	06/12/2013	09/17/2013	MW-4	8.00 in.	2.00 in.	7.00 ft	25.00 ft	1S/4W35K	W01-0270	No Records
W2013-0446	06/12/2013	09/17/2013	MW-5	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0017	No Records
W2013-0447	06/12/2013	09/17/2013	MW-6	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0018	No Records
W2013-0448	06/12/2013	09/17/2013	MW-7	10.00 in.	4.00 in.	10.00 ft	22.00 ft	1S/4W35K	W05-0019	No Records

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/12/2013 By jamesy

Permit Numbers: W2013-0449
Permits Valid from 06/19/2013 to 06/19/2013

Application Id: 1370473894477
Site Location: 245 8th Street

City of Project Site:Oakland

Project Start Date: 06/19/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Completion Date:06/19/2013

Applicant: AEI Consultants - Robert Flory
2500 Camino Diablo, Walnut Creek, CA 94597

Phone: 925-746-6000 x1122

Property Owner: Vic Lum
245 8th Street, Oakland, CA 94607

Phone: --

Client: ** same as Property Owner **
Contact: Robert Flory

Phone: --
Cell: 925-457-7517

Receipt Number: WR2013-0210	Total Due: \$265.00	
Payer Name : Robert F. Flory	Total Amount Paid: \$265.00	
	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Well Destruction-Vapor monitoring well - 7 Wells
Driller: H E W Drilling - Lic #: 604987 - Method: Hand

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0449	06/12/2013	09/17/2013	GP-1	2.00 in.	0.25 in.	4.00 ft	12.00 ft	1S/4W35K	No Records	No Records
W2013-0449	06/12/2013	09/17/2013	GP-2	2.00 in.	0.25 in.	4.00 ft	12.00 ft	1S/4W35K	No Records	No Records
W2013-0449	06/12/2013	09/17/2013	GP-5	2.00 in.	0.25 in.	4.00 ft	5.50 ft	1S/4W35K	W2012-0713	e0169206
W2013-0449	06/12/2013	09/17/2013	GP-6	2.00 in.	0.25 in.	4.00 ft	5.50 ft	1S/4W35K	W2012-0713	e0169208
W2013-0449	06/12/2013	09/17/2013	GP-7	2.00 in.	0.25 in.	4.00 ft	5.50 ft	1S/4W35K	W2012-0713	e0169210
W2013-0449	06/12/2013	09/17/2013	GP-8	2.00 in.	0.25 in.	4.00 ft	5.50 ft	1S/4W35K	W2012-0713	e0169212
W2013-0449	06/12/2013	09/17/2013	GP-9	2.00 in.	0.25 in.	4.00 ft	5.50 ft	1S/4W35K	W2012-0713	e0169214

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/12/2013 By jamesy

Permit Numbers: W2013-0450
Permits Valid from 06/20/2013 to 06/20/2013

Application Id: 1370535351785
Site Location: 245 8th Street

City of Project Site:Oakland

Project Start Date: 06/20/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Completion Date:06/20/2013

Applicant: AEI Conaultants - Robert Flory
2500 Camino Diablo, Walnut Creek, CA 94597

Phone: 925-746-6000 x1122

Property Owner: Vic Lum
245 8th Street, Oakland, CA 94607

Phone: --

Client: ** same as Property Owner **
Contact: Robert Flory

Phone: 925-746-6000
Cell: 925-457-7517

Receipt Number: WR2013-0211	Total Due: \$265.00	
Payer Name : Robert F. Flory	Total Amount Paid: \$265.00	
	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Remediation Well Destruction-Injection - 4 Wells
Driller: H E W Drilling - Lic #: 604987 - Method: press

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0450	06/12/2013	09/18/2013	AS-1	8.00 in.	2.00 in.	25.00 ft	30.00 ft	1S/4W35K	W2010-0448	E01211102
W2013-0450	06/12/2013	09/18/2013	AS-2	8.00 in.	2.00 in.	25.00 ft	30.00 ft	1S/4W35K	W2010-0448	E01211103
W2013-0450	06/12/2013	09/18/2013	AS-3	8.00 in.	2.00 in.	25.00 ft	30.00 ft	1S/4W35K	W2010-0448	E01211104
W2013-0450	06/12/2013	09/18/2013	AS-4	8.00 in.	2.00 in.	25.00 ft	30.00 ft	1S/4W35K	W2010-0448	E01211105

Specific Work Permit Conditions

1. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
2. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
3. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
4. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of